



भारत का राजपत्र

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सं० ४] नई दिल्ली, शनिवार, जनवरी 28, 1978 (माघ 8, 1899)

No. 4] NEW DELHI, SATURDAY, JANUARY 28, 1978 (MAGHA 8, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS & DESIGNS

Calcutta, the 28th January, 1978

SPECIAL NOTICE

(1)

The following holidays will be observed by the Patent Office Branch, Bombay during the year 1978.

Name of Festival	Day of the week	Date
Republic Day	Thursday	26th January
Good Friday	Friday	24th March
Holi (Second Day)	Saturday	25th March
Mahavir Jayanti	Friday	21st April
Buddha Purnima	Monday	22nd May
Independence Day	Tuesday	15th August
Ganesh Chaturthi & Id-Ul-Fitr	Wednesday	6th September
Mahatma Gandhi's Birthday	Monday	2nd October
Dassera	Wednesday	11th October
Diwali First Day	Monday	30th October
Diwali (Amavasya)	Tuesday	31st October
Diwali (Bali Pratipadha)	Wednesday	1st November
Id-Ul-Zuha	Monday	13th November
Guru Nanak's Birthday	Tuesday	14th November
Muharram	Tuesday	12th December
Christmas Day	Monday	25th December

(2)

The following holidays will be observed by the Patent Office Branch, Madras during the year 1978.

Name of Festival	Day of the week	Date
Republic Day	Thursday	26th January
Good Friday	Friday	24th March
Tamil New Years Day	Thursday	13th April
Mahavira Jayanthi	Friday	21st April
Buddha Purnima	Monday	22nd May
Independence Day	Tuesday	15th August
Janmashtami	Friday	25th August
Vinayaka Chathurthi	Wednesday	6th September
Id-Ul-Fitr	<i>Will be intimated later.</i>	
Mahatma Gandhi's Birthday	Monday	2nd October
Saraswathi Pooja	Tuesday	10th October
Diwali	Tuesday	31st October
Id-Ul-Zuha (Bakrid)	Sunday	12th November
Guru Nanak's Birthday	Tuesday	14th November
Muharram	Tuesday	12th December
Christmas Day	Monday	25th December

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

23rd December, 1977.

1761/Cal/77. Eimco (Great Britain) Limited. Fluid transmission circuit. (December 24, 1976).

1762/Cal/77. Victor Stahlschmidt. Aerobic, thermophile fermentation of organic waste materials.

1763/Cal/77. Union Carbide India Limited. Electric flashlight.

1764/Cal/77. American Cyanamid Company. Suture package.

24th December, 1977.

1765/Cal/77. Prabir Guin. Improvements in or relating to a rigid steel adjustable mine support. [Addition to No. 1352/Cal/77].

1766/Cal/77. Personal Products Company. A catamenial device. [Divisional date November 19, 1975].

1767/Cal/77. Belipar SA and Concast AG. Process for the continuous casting of steel.

1768/Cal/77. Concast AG and Belipar SA. Process for the continuous casting of steel.

26th December, 1977.

1769/Cal/77. Hoechst Aktiengesellschaft. Disago compounds, a process for their manufacture and their use as pigments.

1770/Cal/77. Hoechst Aktiengesellschaft. Disago compounds, a process for their manufacture and their use as pigments.

27th December, 1977.

1771/Cal/77. Richter Gedeon Vegyeszeti Cyar RT. New 2-amino-cyclopent-1-ene-1-dithiocarboxylic acid derivatives and a process for the preparation thereof.

1772/Cal/77. Richter Gedeon Vegyeszeti Gyar RT. New 2-amino-cyclopent-1-ene-1-thiocarboxylic acid-disulfides and a process for the preparation thereof.

1773/Cal/77. Tyco (India) Limited. A travelling wave generating device for use as a pump, compressor or turbine.

1774/Cal/77. S. G. Glazunov, (2) A. M. Khromov, (3) V. V. Merkulov, (4) I. B. Krjuchkov, (5) N. E. Klimov and D. A. Filippov. Installation for die-casting of metal blanks.

1775/Cal/77. Pont-A-Mousson S. A. A centrifugal casting machine. [Divisional date June 24, 1975].

28th December, 1977.

1776/Cal/77. Hawker Siddeley Aviation Limited. Improvements in or relating to aircraft launching techniques. (January 13, 1977).

1777/Cal/77. Ciba-Geigy AG. Process for the production of novel hydroxyalkyl dithiocarbamates.

1778/Cal/77. Mobil Oil Corporation. Low pressure xylene isomerization.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

13th December, 1977.

451/Del/77. Tesa S.A. Flat segment bevel lever.

452/Del/77. Armco Steel Corporation. Method of treating strip and sheet surfaces for metallic coating.

453/Del/77. Imperial Chemical Industries Limited. Energy recovery. (December 15, 1976).

454/Del/77. Imperial Chemical Industries Limited. Methanol. (December 22, 1977).

14th December, 1977.

455/Del/77. Sulzer Brothers Limited. Method and apparatus for the fabrication of internally weld-clad pipe elbows.

456/Del/77. The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom. Improvements in or relating to variable ratio transmission systems. (December 22, 1976).

457/Del/77. Hercules Incorporated. Process for recovering oil from subterranean formations (Docket 730016-A-IND).

458/Del/77. Hercules Incorporated. Process for recovering oil from subterranean formations.

459/Del/77. Jayanta Kumar Chatterjee. Infinitely variable speed ac drive using ac-ac naturally commutated power frequency converter.

15th December, 1977.

460/Del/77. Bayer Aktiengesellschaft. A process for the production of ethylene thiourea.

461/Del/77. Bayer Aktiengesellschaft. Dielectric liquids containing alkyl-chloro-diphenyl ethers.

462/Del/77. Societe Pour LE Development ET L'Exploitation DU Palmier A Huile and Bertin & CIE. Method for shelling coconuts and apparatus using the said method.

462/Del/77. D. Frazier and John R. Hardin, Jr. Cantilever rack construction. (July 25, 1977).

464/Del/77. J. G. Maliakal and Dr. (Mrs.) Rosie George Maliakal. Automatic anti-derailment mechanism.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

28th November, 1977.

331/Bom/77. Mrs. Prabha Ghanashyam Tasgaonkar. New hot plate.

30th November, 1977.

332/Bom/77. Cummins Engine Company Inc. A fuel system for compression ignition engine for diesel engines.

333/Bom/77. Cummins Engine Company Inc. Improvements in filtering and mixing apparatus for diesel engines.

1st December, 1977.

334/Bom/77. G. D. Thakoor. Improved railway carriage roof ventilator.

2nd December, 1977.

335/Bom/77. D. J. Schneider. Fluid driven power producing apparatus. [Addition to No. 249/Bom/75].

336/Bom/77. Hindustan Ferodo Limited. Catalytic fume scrubber device to purge the gas effluent and remove contaminating solid particles and noxious gases.

ALTERATION OF DATE

No. 1732/Cal/77 Deemed to have been filed on 14th December, 1977.

No. 143756 } Ante-dated 5th May, 1973.
334/Cal/76. }

COMPLETE SPECIFICATION ACCEPTED.

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972

before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 127-B, 143737.

Int. Cl.-F16h 1/00;

B62k 11/00.

A DRIVE SYSTEM FOR VEHICLES.

Applicant & Inventor : JIFENDRA KUMAR SHARMA, OF 1767 MAIN ROAD, TRI NAGAR, DELHI-35, INDIA.

Application No. 1380/Cal/75 filed July 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A drive system for replacing the sprocket chain system provided normally in a two wheeler scooter comprising an output shaft of the engine, a lay or counter shaft having a plurality of gears adapted to be in engagement with gears provided on a driven shaft, a first helical gear mounted on said output shaft, a second helical gear mounted on said shaft, said second gear driven by said first gear through a single intermediate helical gear, the ratio between said first and second gear being less than 3 : 1 but greater than 2 : 1, said driven shaft adapted to rotate in a direction opposite to that of said output shaft.

CLASS 80K & 103. 143738.

Int. Cl.-B01d 35/00;

CTAf 15/00.

APPARATUS FOR REMOVING SOLID IMPURITIES, PARTICULARLY RUST, INSOLUBLE IN THE FLUID FLOW, FROM A FLUID FLOW PASSING THROUGH A LONG LENGTH OF CLOSED CIRCUIT PIPE.

Applicant : MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF KATZWANGER STRASSE 101, D 8500 NURNBERG, FEDERAL REPUBLIC OF GERMANY.

Inventors : WOJEGANG POHL, (2) HERMANN HEFEREN, (3) GERD FECHNER, (4) GERD NOWAK, AND ERWIN WEWERKA.

Application No. 1499/Cal/75 filed July 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A closed circuit system having a surface condenser with a plurality of tubes and a long length of closed circuit piping and, more particularly, a cooling circuit having a surface condenser for condensing the exhaust steam from a turbine, with heat exchanger elements of a dry cooling tower for recooling the fluid heated up by the condensed exhaust steam and connecting pipe lines (e.g. supply line; return line) between said surface condenser and said heat exchanger elements, characterized in that the inlet ends of all or part of the tubes of said surface condenser are each equipped with one filter and that said filters are arranged so as to be easily removable.

CLASS 32E & 144B.
Int. Cl.-C08f 3/30;

143739.

C23d 5/00, 15/00.

METHOD FOR THE POLYMERIZATION OF VINYL CHLORIDE MONOMERS.

Applicant : SHIN-ETSU CHEMICAL CO. LTD., OF 6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : SHUNCHI KOYANAGI, (2) HAJIME KITAMURA, (3) TOSHIHIDE SHIMIZU.

Application No. 36/Cal/76 filed January 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims. No drawings.

A method for the polymerization of vinyl chloride monomer alone or admixed with a copolymerizable monomer or monomers selected from the group consisting of vinyl esters, vinyl ethers, acrylic and methacrylic acids, esters thereof, maleic and fumaric acids, esters thereof, maleic anhydride aromatic vinyl monomers, vinyl halides other than vinyl chloride, vinylidene halides, olefins, acrylonitrile and methacrylonitrile, in the presence of a conventional polymerization initiator, which comprises conducting said polymerization in a polymerization reactor of which the surfaces of the inner walls and other parts coming into contact with the monomer or monomers are treated, prior to polymerization, with

(a) at least one organic compound selected from the group consisting of conventional polar organic compounds and conventional organic dyes, and

(b) at least one compound selected from the group consisting of halides, hydroxides, oxides and carboxylates of my metallic elements and oxoacids of those elements which belong to the second to sixth periods of groups IIB and III through VII of the Periodic Table and inorganic salts of the oxoacids.

CLASS 129P.

143740.

Int. Cl.-B23b 23/04.

AN IMPROVED ROTATING CENTRE.

Applicant & Inventor : AJIT KUMAR BHATTACHARYA, C/O. SHRI S. S. BHATTACHARYA, BLOCK NO. 9/5, CITIZEN'S CO-OPERATIVE HOUSING SOCIETY, 103, MANICKTOLA MAIN ROAD, CALCUTTA-700054, WEST BENGAL, INDIA.

Application No. 314/Cal/76 filed February 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An improved rotating centre comprising : a shank having a Morse taper end and a machined end which carries bearings and extends inside the bore of a hollow nose cone such that said nose cone is rotatably mounted on said bearings; and coupling means comprising a clip having a pin which engages a hole in the shank and a screw which engages a threaded hole in the shank end of the nose cone for operatively coupling and decoupling the nose cone to said shank.

CLASS 32F_{aa}.

143741.

Int. Cl.-C07c 39/00, 41/120.

A METHOD OF CURING POLYAMINOPHENOL EPOXY RESIN.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, OF 3M CENTER, SAINT PAUL, MINNESOTA 55101, UNITED STATES OF AMERICA.

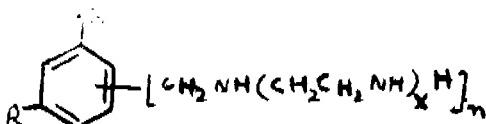
Inventor : ROBERT ALBERT GARDINER.

Application No. 462/Cal/76 filed March 17, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method of curing glycidyl ether of aromatic phenol having epoxy equivalent greater than 1, which comprises mixing said glycidyl ether with polyaminophenolic epoxy curing agent or mixture of agents having the formula as shown in Fig. IV.



where R is a straight chain, unsubstituted aliphatic substituent having 15 carbon atoms and 0 to 3 carbon—carbon double bonds, $-\text{CH}_2\text{NH}(\text{CH}_2\text{CH}_2\text{NH})_x\text{H}$ is a polyamino substituent ortho or para to the hydroxyl substituent, x is an integer of 1 to 3, and n is an integer of 1 to 3, and allowing the mixture of glycidyl ether and curing agent or mixture of agents to cure.

CLASS 117A.
Int. Cl.-E05b 63/00.

143742.

A LOCK.

Applicant & Inventor: MRS. SHAKUNTALA RAMCHANDRA DANDEKAR, OF 8 NORTHERN RAILWAY COLONY, SARDAR PATEL ROAD, NEW DELHI-110021, INDIA.

Application No. 489/Cal/76 filed March 19, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A lock consisting of a lock housing a known locking mechanism provided within said housing, a key slot provided in the front wall of said housing characterized in a limiting pin or lug provided in conjunction with said key slot and at an angle of less than 360° but more than 90° with respect to the arcuate rotation of a key from an insertion position.

CLASS 40B.
Int. Cl.-B01j 11/26.

143743.

A METHOD FOR THE PREPARATION OF IRON OXIDE-CHROMIUM OXIDE CATALYST BY PRECIPITATION FROM HOMOGENEOUS SOLUTION.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: JONNALAGADDA RAJAGOPALA RAO AND BHARAT RAMAKRISHNA SANT.

Application No. 1413/Cal/76 filed August 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

A process for the preparation of iron oxide-chromium oxide high temperature shift conversion catalyst by precipitation from homogeneous solution wherein salts of iron (II) and chromium (VI) are simultaneously oxidised and reduced to iron (III) and chromium (III) respectively in the presence of very small quantities of nitric acid by heating at 120°C to near evaporation, the mass is diluted, sufficient quantity of urea is added and the system is heated on a water bath with constant stirring till the pH rises from 2.3 to 6.5, and the precipitate is filtered and washed with ammoniacal ammonium nitrate solution and finally dried at 120°C for a few hours.

CLASS 113B.
Int. Cl.-F23q 7/00.

143744.

AN AUTOMATIC CIGARETTE LIGHTER FOR USE IN AUTOMOBILE.

Applicant & Inventor: SHUNMUGAM MURUGAVEL SHANMUGAVEL OF 44, G. A. ROAD, MADRAS-600021, TAMIL NADU, INDIA.

Application No. 228/Mas/76 filed November 20, 1976.
Addition to No. 88/Mas/74.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An automatic cigarette lighter for use in an automobile comprising a housing having air vents for air circulation, the housing accommodating, at the first end thereof, a heater-coil mounted on a thermally and electrically insulating base; a terminal provided for, and insulated from, the housing, the terminal being fixed to the first end of the heater-coil for connecting it to one pole of a source of electric power; a bi-metal strip disposed out of electrical contact from the housing and provided with a hooked end, the other end of the bi-metal strip being in electrical contact with the second end of the heater-coil; and a spring-loaded electrically conducting collar movably attached to the second end of the housing and connected to the other pole of the source of electric power, the collar having a combined tapered-recessed extremity, such that when a cigarette is inserted into the housing through the collar so as to come into contact with the heater-coil and the collar manually depressed and released, the said hooked end is urged against the said extremity to engage therewith and simultaneously complete the circuit of the heater-coil for lighting the cigarette, the bi-metal strip being thereafter distorted by heat from the heater-coil to disengage the said hooked end from the said extremity and simultaneously break the said circuit, thus permitting the collar to revert, under spring-resilience, to its non-depressed position.

CLASS 39L & 144E.
Int. Cl.-C01b 13/14.

143745.

C01g 49/02, C09c 1/24.

PREPARATION OF IRON OXIDE BLACK AND RED PIGMENTS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: TURAGA PRABHAKARA PRASAD, ADDALA SURYANARAYANA, VEMURI VENKATA RAMA SASTRY, TOTA RAM GUPTA, JOSYULA SAMBA MURTY AND BHARAT RAMAKRISHNA SANT.

Application No. 697/Cal/75 filed April 7, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

A process for the preparation of iron oxide black and red pigments wherein ferrous chloride or ferrous sulphate liquors are treated with an alkali such as milk of lime (calcium hydroxide) or sodium carbonate solution; is characterised in that the reaction is carried out in presence of iron scrap and air at temperatures below 100°C with constant stirring resulting in iron oxide black pigment which on roasting to temperature up to 1000°C is converted to iron oxide red pigment.

CLASS 9D & F. & 108C.
Int. Cl.-C21c 1/10, C21d 5/14.

143746.

IMPROVED PROCESS FOR THE PRODUCTION OF NODULAR IRON.

Applicant: DEERE & COMPANY, JOHN DEERE ROAD, MELINE, ILLINOIS-60265, U.S.A.

Inventor: MICHAEL ROBINS ON.

Application No. 1405/Cal/75 filed July 18, 1975.
Convention date May 1, 1975/(8072875) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for the production of cast nodular iron which comprises:—

in the step of first contacting molten iron with a graphite-spheroidizing agent in an amount sufficient to yield from about 0.02 to about 0.055 per cent of the graphite-spheroidizing agent in the nodular iron and in the second step of further treating the melt of the first step with an after-treating agent compatible with said contacted melt and containing from

about 0.8 to about 1.8 per cent by weight of magnesium whereby a nodular iron is produced as if the said graphite-spheroidizing agent had been utilized in an amount sufficient to yield from about 0.03 to about 0.075 weight per cent graphite-spheroidizing agent in the cast nodular iron without substantially detrimentally affecting the metallurgical properties of said nodular iron.

CLASS 182C.
Int. Cl.-C13f 1/02.

143747.

APPARATUS FOR THE CONTINUOUS CRYSTALLIZATION OF SUGAR.

Applicant & Inventor: FRANCOIS LANGRENEY, OF B. P. 59, 97462 SAINT DENIS, LA REUNION, FRANCE.

Application No. 2331/Cal/75 filed December 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for the continuous crystallization of sugar, formed by a tank with two separate longitudinal zones, one zone heated by an exchanger and the other not heated, supply circuits being provided along the tanks as well as an overflow shoot at its exit, wherein transverse walls are provided in the upper part of the tanks above the heat exchangers, these walls extending below the level of the crystallizable mass.

CLASS 129Q.
Int. Cl.-B21c 37/22, B23k 11/00.

143748.

FIN TO TUBE WELDING BY HIGH FREQUENCY CURRENT SOURCE.

Applicant: COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT UNITED STATES OF AMERICA.

Inventor: MALCOM WALTER ORR, JR.

Application No. 578/Cal/76 filed April 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method for welding an elongated member to a tube along a line by means of resistance heating caused by a high frequency oscillatory current source, wherein the method comprises the steps of :

- a. Ovaling said tube by flattening said tube in one direction without altering the thickness of the tube wall;
- b. Uniformly moving said elongated member and said oaled tube into close, but not touching adjacent relationship such that said elongated member is adjacent to the flattened side of said oaled tube;
- c. causing said elongated member and said tube to come together at a weld point by rerounding said oaled tube by increasing the cross-sectional dimension of said oaled tube in the direction of said elongated member, thereby maintaining a narrow generally V-shaped gap in advance of said weld point, said V-shaped gap terminating at said weld point; and
- d. heating said tube and said elongated member in advance of said weld point by applying first and second contacts to said tube and said elongated member respectively at points in advance of said weld point, said first and second contacts each being connected to a high frequency oscillating current source.

CLASS 130G.
Int. Cl.-C22b 9/12, 15/14.

143749.

PROCESS FOR THE PRODUCTION OF HIGH-GRADE COPPER BY PYRO-METALLURGICAL REFINING OF BLISTER COPPER AND COPPER SCRAPS.

Applicant: CSEPELI FEMMU, OF CSEPEL, BUDAPEST, HUNGARY.

Inventors: DR. MIHALY STEFAN, TIBOR NAGY AND SANDOR DAROCZI.

Application No. 659/Cal/76 filed April 17, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A process for the pyrometallurgical production of high-grade copper from blister copper and copper scraps in the conventional pyrometallurgical copper-refining equipments, by smelting, simultaneously or subsequently oxidizing, then slagging, reducing the obtained pre-refined copper bath, and pouring the thus-obtained refined copper bath into the desired mould, characterized in that between the slagging and reduction a slag cover is formed on the pre-refined copper bath with a mixture of the oxide of at least one element selected from the group consisting of silicon, phosphorus and boron, and of the oxide of at least one element selected from the group consisting of titanium, aluminium, calcium, strontium, barium, magnesium, sodium, potassium and lithium, then at least two of the said elements are fed to the copper bath as refining alloying components, the copper bath is mixed for at least 30 seconds, and after standing for at least further 15 minutes the slag cover is removed.

CLASS 172D.
Int. Cl.-D01h 7/74.

143750.

APPARATUS FOR OPEN-END SPINNING.

Applicant: VSESOUJZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT LEGKOGO I TEXTILNOGO MASHINOSTROYENIA, OF VARSHAVSKOE SHOSSE 33, MOSCOW, USSR.

Inventors: ROZA SEMENOVNA RABINOVICH, LEV NIKOLAEVICH IVANOV AND REM MIKHAILOVICH VALYAEV.

Application No. 1029/Cal/76 filed June 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for open-end spinning comprising a movable bracket; a feeding arrangement and a spinning chamber mounted on said bracket; an air header connected with an air suction system and the spinning chamber for creating vacuum therein; an air duct connecting said spinning chamber with the air header and having one portion formed by a sleeve airtightly connected with the spinning chamber so that they are free to move axially relative to each other when the spinning chamber is being shifted together with said bracket, and the remaining portion of the air duct made flexible; said spinning chamber, air duct and air header forming a non-detachable airtight system.

CLASS 32F.d.
Int. Cl.-C07c 167/00.

143751.

A PROCESS FOR THE EXTRACTION OF HECOGENIN FROM SISAL JUICE AND SUBSEQUENT CONVERSION TO ITS ACETATE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: CHAKKIRALA SRINIVASULU, KALAPATAPU VIJAYALAKSHMI, KODAVANTI MADHUSUDANA RAO AND SHIBA NARAYAN MAHAPATRA.

Application No. 1177/Cal/76 filed July 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

In improved process for the extraction of hecogenin from sisal juice and its subsequent conversion into its acetate comprises hydrolysing the juice with a mineral acid, separating of the filter cake (hydrolysate), solvent extracting of the crude hecogenin therefrom and acetylating of the crude hecogenin, characterised in that the juice is first concentrated to at least half its volume, the filter cake (hydrolysate) obtained is directly subjected to soxhlet extraction, the crude hecogenin separated is acetylated and purified by crystallisation with a

solvent in the presence of a decolouring agent to obtain pure hecogenin acetate.

CLASS 35E. 143752.
Int. Cl.-C04b 35/10.

PROCESS FOR THE MANUFACTURE OF CHEMICALLY BONDED HIGH ALUMINA REFRACTORIES.

Applicant : ORISSA CEMENT LIMITED, OF RAJGANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Inventor : DR. SHYAM LAXMAN KOLHATKAR.

Application No. 1654/Cal/76 filed September 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the manufacture of chemically bonded high alumina refractories which comprises adding 0.2 to 5% by wt. of chromic oxide or Cr₂O₃-yielding compound to high alumina refractory aggregates such as herein described, with the addition of phosphoric acid or its alkali salt and with the optional addition of plastic clay, intimately mixing the ingredients with water and drying the wet mix at a temperature of 100 to 300°C.

CLASS 143D₄ & D₆. 143753.
Int. Cl.-B65d 75/30.

A LIGHT-WEIGHT, FLEXIBLE, EASY-OPEN, IMPERMEABLE PACKAGE AND METHOD OF PREPARING THE SAME.

Applicant : KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B. V., OF AMSTERDAMSEWEG 206, AMSTELVEEN, THE NETHERLANDS.

Inventors : ALBERT EDWARD JOHN EVANS AND PETER GATENBY TURNER.

Application No. 2753/Cal/74 filed December 16, 1974.

Convention date December 17, 1973/(58410/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A light-weight, flexible, easy open, impermeable package, sealed hermetically, consisting of at least one single folded film of porefree metal or metal film laminate, optionally supported on one side by a suitable heat resistant plastics film, the other side at least the edge area of which is coated with a solder and optionally coated partially or completely with a coating of heat-sealable thermoplastic material, and the edge area heat sealed to a metal seal or a metal seal and at least one plastic seal.

CLASS 33A. 143754.
Int. Cl.-B22d 13/10.

IMPROVEMENTS IN OR RELATING TO A CENTRIFUGAL CASTING MACHINE.

Applicant : PONT-A-MOUSSON, OF 91, AVENUE DE LA LIBERATION, 54 NANCY, FRANCE.

Inventor : PIERRE HENRI MARIE FORT.

Application No. 261/Cal/75 filed February 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A centrifugal casting machine comprising a casing, a rotary mould assembly located inside said casing and comprising at least a mould surrounded by an annular cooling liquid chamber and a sealing structure located between the mould assembly and the casing, said sealing structure comprising an annular sealing and rubbing member mounted to slide in a direction parallel to the axis of the mould in an annular groove formed in a ring integral with the casing, the annular sealing and rubbing member bearing against an elastically-yieldable chamber disposed in the bottom of said groove and connected by pipes to means for regulating a supply of fluid under pressure thereto, whereby said sealing and rubbing member is applied under adjustable pressure against a radial flange connected to rotate with the mould.

CLASS 32C & 40F & 114E.
Int. Cl.-A61K 19/00, C07g 7/026.

143755.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF A PANCREATIN PRODUCT FOR USE FOR BATING HIDES AND SKINS IN LEATHER MANUFACTURE AND FOR THE STRIPPING OF GELATIN FROM PHOTOGRAPHIC AND X-RAY FILMS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, KAFI MARG, NEW DELHI-1, INDIA.

Inventors : DR. SUSIL CHANDRA DHAR, DR. SUDHAMOY BOSE AND MR. KRISHNAMOORTHI LAKSHMI-BARATHI.

Application No. 2170/Cal/75 filed November 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

An improved process for the production of a pancreatin product for use as enzyme bates in leather manufacture and for stripping of gelatin from photographic and X-ray films, which consists in treating finely purged animal pancreas with sulphuric acid and then with fused calcium chloride and in blending of the thus activated pulp with powdered husk of paddy or a similar carrier material, tapioca flour or a similar starchy material, ammonium sulphate and ammonium chloride, the blended mixture being thereafter dried and finely powdered.

CLASS 67C.
Int. Cl.-G05b 15/00.

143756.

AUTOMATIC SERVO CONTROL SYSTEMS.

Applicant : ALFRED HERBERT LIMITED, OF P.O. BOX 30, EDGWICK, COVENTRY, WARWICKSHIRE, ENGLAND.

Inventor : IAN WILLIAM SMITH.

Application No. 334/Cal/76 filed February 25, 1976.

Convention date May 6, 1972/(21274/72) U.K.

Division of Application No. 1060/Cal/73 filed May 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A servo control system, including means responsive to a signal representing a demanded position of a controlled member to alter the position of the controlled member towards the demanded position at a speed which initially increases at a predetermined rate and is then held constant, means for storing the value of the total demanded change of position, summing means responsive to the incremental changes, each of predetermined amount, in the actual value of the controlled position towards the demanded value to sum values corresponding respectively to the incremental changes if the controlled position is changing at the constant speed and to sum twice the corresponding values if the controlled position is changing at the increasing speed, and output means operative when the total sum so produced by the summing means becomes equal to the stored value to cause the speed at which the controlled member changes position to reduce to zero at a rate equal to the said predetermined rate, the summing means becoming unresponsive to the incremental changes in the actual value of the controlled position when the controlled position is changing at the reducing speed.

CLASS 146B.
Int. Cl.-B431 9/08, C01b 3/16.

143757.

A COMPASS.

Applicant : NATIONAL INSTITUTE OF DESIGN, AT 11A ROUSE AVENUE, NEW DELHI, INDIA.

Inventor : SAMIR BHATT.

Application No. 777/Cal/76 filed May 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A compass adapted to draw ellipses i.e. regular ovals of different shapes comprising a rod having a pointed end which can be fixed on the plane on which the ellipse has to be drawn, a block mounted at the upper end of said rod, an opening in said block and an elongate member of arcuate shape having a base to rest on the said plane, the free end thereof being adapted to engage the opening in said block and means for securing the same to the block at a desired position and a marker fitted to an arm connected to a sleeve around said rod, the marker being adjustably secured on said arm in relation to said plane.

CLASS 129-J.

Int. Cl.-B21b 1/22; 43/00.

143758.

SHEET MILL TABLE ROLL.

Applicants: TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEKHNOLOGII MASHINOSTROENIYA, SHARIKOPODAHPNIKOVSKAYA 4, MOSCOW, U.S.S.R., (2) ALMA-ATINSKY ZAVOD TYAZHELOGO MASHINOSTROENIYA, ALMA-ATA, PROSPEKT GAGARINE, USSR, (3) NOVOLIPETSKY METALLURGICHESKY ZAVOD, LEPETAK, PROSPEKT METALLURGOV 2, USSR.

Inventors: IVAN VASILIEVICH FRANTSENJUK, (2) ANDREI DMITRIEVICH BELYANSKY, (3) LEONID SEMENOVICH BOBYLEV, (4) ZINOVY PETROVICH KARETNY, (5) NIKOLAI NIKITIEVICH ALEXANDRO, (6) VASILY IVANOVICH KULIKOV, (7) EUGENY VLADIMIROVICH KOVALEVICH, (8) VIKTOR GURIEVICH TINYAKOV, (9) ALEXANDR VLADIMIROVICH BOLOTNOV, (10) JURY ALEXANDROVICH CHERNOV, (11) VLADIMIR MIKHAILOVICH KOLESOV, (12) NIKOLAI MATVEEVICH SVETLAKOV, (13) GENNADY NIKOLAEVICH BURMISTROV, (14) JURY GRIGORIEVICH KUXENKO.

Application No. 1148/Cal/76 filed June 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A sheet mill table roll comprising: a cylindrical hollow body half-axes accommodated within said cylindrical hollow body and mounted on table bearing supports; said cylindrical hollow body having hubs fixed on said half-axes; through channels provided at the periphery of said hubs; covers mounted on each end face of said hollow body; a central port made in each said cover, the port diameter being essentially smaller than the outside diameter of said hub; annular slot formed by said covers and said half-axes.

CLASS 32F₃ & F₂b, & 55E.

Int. Cl.-C07d 51/16; 57/12.

143759.

A PROCESS FOR THE SYNTHESIS OF 1-ARYL/ALKYL/ARALKYL-6-OXOPYRIMIDINES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

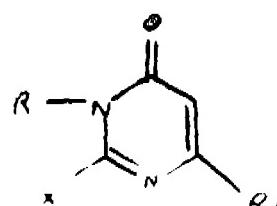
Inventors: PADAM CHAND JAIN, KIRAN SINGH RAJPUT & CHINTA RAM PRASAD.

Application No. 1304/Cal/76 filed July 21, 1976.

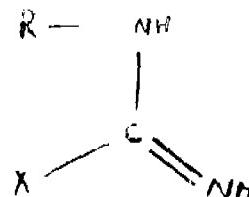
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

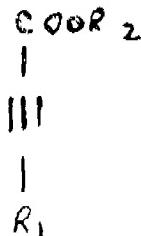
A process for the preparation of 1-aryl/alkyl/aralkyl-6-oxopyrimidine of the Structure I.



as shown in the diagram accompanying the specification (wherein R is an aryl group like phenyl, naphthyl, 3-puridyl, 2-pyra-Zinyl, 9-phenanthridinyl, phenanthryl, quinolyl isoquinolyl, 2-, 4-, or 5-thiazolyl and thienyl, with or without substituents like methyl, ethyl, chloro, bromo, fluoro, hydroxy, methoxy, nitro, amino, acetyl propionyl, trifluoromethyl and cyclopropyl at various positions in the aryl group or R may be an alkyl group like methyl, ethyl or an aralkyl group like benzyl, and phenylethyl; X is a group like hydrogen SR₂, NH₂ or OR₂ where R₂ is hydrogen, methyl, ethyl or hexyl; R₁ is a group like hydrogen, methyl, phenyl, cyclopropyl or ester group) by the reaction of a reagent of the Structure II.



as shown in the diagram accompanying the specification, (where X and R have the same connotation as described above) with an acetylenic compound of the Structure III.



(where R₁ has the same connotation as described above and R₂ is an alkyl group like methyl or ethyl) in a polar solvent like methanol, ethanol, propanol, butanol or in an aprotic solvent like toluene, dioxane, tetrahydrofuran at a temperature from 25°C upto the boiling point of the solvent used or by heating at a temperature from 120 to 180°C in the absence of a solvent.

CLASS 148F & O.
Int. Cl.-G03b 27/00.

143760.

ROTARY PHOTO PRINT WASHER FOR USE IN PHOTOGRAPHIC INDUSTRY.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: DURGA DAS CHAKRAVARTY, (2) PRAVIN德拉 NATH PHUKAN, and DILIP KUMAR DUTTA.

Application No. 1311/Cal/76 filed July 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A rotary type photo print washer for washing photo prints after printing, comprising a perforated horizontal drum freely supported on bearings at both ends having a hinged door on the body for receiving prints, a tank in which the perforated drum is mounted for receiving water, characterised in that a jet of water is directed on vanes fixed at one end of the drum through a nozzle to give the required rotary motion to the drum.

CLASS 37-A.
Int. Cl.-B04c 1/00.

143761.

HYDROCYCLONE.

Applicant: ENSO-GUTZEIT OSAKEYHTIO, OF KANAVARANTA 1,00160 HELSINKI 16, FINLAND.

Inventors: JORMA SURAKKA AND MATTI LANKINEN.

Application No. 1973/Cal/76 filed October 29, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A hydrocyclone for the separation of a liquid suspension into accept and reject fractions, comprising a conically converging classification pipe, at the apex of which there is an opening for the reject fraction, and a base part, in which there is an axial pipe for the accept fraction, and a minimum of two, feed channels for the liquid suspension to be purified, characterized in that the feed channel directs the liquid suspension onto an incline in the circular space between the classification pipe and the accept fraction outlet pipe, and the liquid suspension spray discharges from the incline over the spray in the following feed channel.

CLASS 5-D & 116B.
Int. Cl.-A01b 77/00; 79/02;

143762.

C05f 9/02: 9/04.

IMPROVEMENTS IN OR RELATING TO A DEVICE FOR TURNING AND AERATING COMPOSTING MATERIALS.

Applicant : TRACTEL TIRFOR INDIA PRIVATE LIMITED, 15, GANESH CHANDRA AVENUE, CALCUTTA-700013, WEST BENGAL, INDIA.

Inventor : DR. PRADIP KUMAR CHAKRAVARTY.

Application No. 1060/Cal/77 filed July 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An improved device for turning and aerating composting material provided with means for tackling wide windrow or stacks comprising two screws mounted on shaft each placed on either side of the elevating conveyor, the said shaft being driven to rotate the screw slowly to gather the material from the stack or windrow towards the central portion of the elevator conveyor to pick it up, wherein also provided means for shifting the material sideways while reforming the stack or windrow, comprising a belt conveyor at the rear end rotatable by 180° around its pivot, enabling the material from the beating drums guided through chute, and hopper, to be discharged either to the left or right of the machine or in line with the machine, the said beating drums may further be provided with arrangement for ballistic separation of heavier non-compostable items and storing them in a container provided for the purpose.

CLASS 134A & D.
Int. Cl.-B601 15/00.

143763.

CONTROL CIRCUITS FOR ELECTRICALLY DRIVEN VEHICLES.

Applicant : JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : IVOR CARL ROHSLER.

Application No. 1210/Cal/74 filed June 4, 1974.

Convention date June 6, 1973/(27009/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A control circuit for an electrically driven vehicle comprising in combination a traction motor driving the vehicle a thyristor chopper circuit controlling the speed of the traction motor, mould selection means for varying the connections between the traction motor and the chopper circuit to determine whether the motor operates to provide forward drive or braking operation, said chopper circuit including a main thyristor in series with the motor, and a commutating thyristor which when fired turns off the main thyristor, thyristor firing control means controlling the instants of firing of the thyristors to regulate the mean current flow in the motor, said thyristor firing control means including a current demand signal generating means which produces a signal determining the maximum

current through the motor and firing said commutating thyristor when said maximum current is attained, and overriding control causing firing of said commutating thyristor when the main thyristor has been on for a predetermined period without the current attaining said maximum value, means determining the minimum on and off periods of the main thyristor and timing means which are operable when the overriding control is in operation during braking operation of the motor to increase the normal minimum off period of the main thyristor.

CLASS 99D & 179F.
Int. Cl.-B65b 7/00,
B65d 17/00.

143764.

A METHOD AND AN APPARATUS FOR FORMING FOLDS IN A CONTAINER PANEL.

Applicant : CONTINENTAL CAN COMPANY, INC. OF 7622 SOUTH RACINE AVENUE, CHICAGO, ILLINOIS 60620, UNITED STATES OF AMERICA.

Inventors : OBERT MARVIN OSTREM AND DONALD FRANK KULIKOWSKI.

Application No. 1436/Cal/75 filed July 23, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

A method of forming a container panel with a removable segment defined by a weakening line and with a protective fold in said panel and said removable segment on opposite sides of and adjacent said weakening line, said method comprising the steps of deforming said panel about a predetermined outline to define an inner panel offset from the general plane of said container panel, an intermediate peripheral panel lying in a general plane intermediate the general plane of said container panel and the general plane of said inner panel, an outer upstanding panel joining said intermediate peripheral panel to said container panel, an inner upstanding panel joining said inner panel to said intermediate peripheral panel, and said weakening line in said intermediate peripheral panel; and then moving said intermediate peripheral panel and said inner panel towards the general plane of said container panel with said inner and outer upstanding panels being sequentially folded to positions at small angles to said general plane of said container panel.

CLASS 160A & D.
Int. Cl.-B62c 1/00, B62c 3/00.

143765.

IMPROVEMENTS IN OR RELATING TO BULLOCK CARTS.

Applicant : BHARAT HEAVY ELECTRICALS LTD., ESNP DIVISION, AT 7TH FLOOR, ANSAL BHAVAN, 16, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : KOTACHERI VISHVANATH RAO AND SURESH KUMAR VERMA.

Application No. 587/Cal/76 filed April 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A bullock cart comprising a yoke, an extendable platform mounted on a base frame, side frames on either side of the platform, wheels on the axle, characterised by the provision of channels fitted below the platform and an extension board which in the platform non-extendible position is slipped in the channels to be below the platform and can be pulled out to form an extension of the platform, a yoke in front of the platform, said yoke being fitted to beams consisting of channels sections, or each beam is in the form of a truss or is in the form of a pipe and when made as channel section or pipe, then extendible beams are slidably mounted in the said channel sections or pipes as the case may be so that the entire length of the beams can be extended to enable part of these beams to carry load when necessary.

CLASS 27-I & 45E.
Int. Cl.-A47h 11/00.

PRE-CAST REINFORCED CONCRETE STRUCTURE WITH A LATRINE.

Applicant : ORISSA CEMENT LIMITED, OF RAJGANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Inventor : UMA NATH RATH.

Application No. 1101/Cal/76 filed June 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A pre-cast reinforced concrete structure having a latrine contained in it comprising in combination—

- (a) a circular room with a door opening,
- (b) a door hingedly or slidably fitted to the said opening,
- (c) a pre-cast reinforced concrete roof placed on the top of the said circular room, said roof being fixed or removable,
- (d) a pre-cast reinforced concrete floor placed inside the said circular room, and
- (e) a latrine consisting of a porcelain or cement pan or commode placed on the said floor characterised by that the said circular room is composed of a pre-cast reinforced concrete tubular body.

CLASS 132A₂ & C & 185C.
Int. Cl.-B01f 5/08.

PARTICULATE MATERIAL MIXING-CUM-STORAGE DEVICE.

Applicant & Inventor : CHONG MIN HO, C/O. C. M. HO & CO., MAKUM JUNCTION P.O., ASSAM, INDIA.

Application No. 1349/Cal/77 filed August 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A particulate material mixing-cum-storage device comprising a housing with open top and a conical bottom having an opening at the centre, a diffuser tube having spirally disposed perforations along its length, being centrally placed within said housing such that the bottom end thereof meshes with the bottom opening of the housing in leak-proof manner, the open top end of said diffuser tube being adapted to receive the particulate material to be mixed and stored, and the bottom end of said tube being provided with a valve means for discharge of the material therethrough, if and when desired, said perforations being such as to allow the material to pass through the same smoothly.

CLASS 9D & 108C₁.
Int. Cl.-C22b 9/12, C22c 39/16.

METHOD OF REFINING A CHROMIUM-CONTAINING STEEL.

Applicant : CREUSOT-LOIRE, OF 5, RUE DE MONTESUY-75007, PARIS, FRANCE.

Inventor : JEAN SALEINL.

Application No. 130/Cal/75 filed January 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A method of refining a chromium-containing steel which comprises blowing into the steel, below its surface, water vapour and a non-oxidising gas such as herein described in amounts such that scoriaction of chromium is restricted and the carbon content is reduced to a low level, and also the temperature of the bath is controlled, wherein the water vapour and non-oxidising gas are each separately and simultaneously blown into the steel through one of the two inner tubes of a

143766.

nozzle comprising three concentric tubes, and a fluid such as here in described for protecting the nozzle against wear is blown into the steel through the outer concentric tube.

CLASS 199.

Int. Cl.-G01f 23/00, G08b 3/10.

FLUID LEVEL INDICATOR.

Applicant : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

Inventor : ALFRED YARDLEY.

Application No. 158/Cal/75 filed January 28, 1975.

Convention date February 7, 1974/(05648/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A fluid level indicating device comprising a probe mounted in use in a fluid reservoir and being arranged to pass electrical current through the main volume of fluid in the reservoir to the reservoir wall, and one or more plates mounted on and surrounding the probe to prevent or hinder the establishment of a substantial leakage electrical current from the probe to the reservoir along a path outside the main volume of fluid, wherein the or each plate has a generally concave surface facing the probe tip.

CLASS 172C₂.

Int. Cl.-D01g 23/04.

143770.

A WEIGHING APPARATUS FOR CONTINUOUSLY WEIGHING A LAYER OF FIBRE MATERIAL.

Applicant : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventor : ROBERT MOSER.

Application No. 261/Cal/76 filed February 13, 1976.

Convention date March 4, 1975 (8884/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A weighing apparatus for continuously weighing a continuous layer of fibre material passing through a metering unit of a preparatory spinning machine, comprising two pairs of rollers arranged at a distance from each other for delivering the layer of fibre material to and removing it from a measuring zone situated between the pairs of rollers, two weighing plates arranged in the measuring zone between the two pairs of rollers each of which plates is pivotable and is connected to a measuring signal transmitter responding to the pivoting angle of the plate, a thin highly flexible endless transporting belt arranged to travel across and in contact with the weighing plates for additionally transporting the layer of fibre material from the first pair of rollers to the second pair of roller under elimination of irregular friction forces of said layer on said weighing plates, the sides of the thin transporting belt being connected with two endless driving belts arranged beyond the reach of the weighing plates, and means for driving the driving belts at the speed of travel of the layer of fibre material.

CLASS 145F & 182A.

Int. Cl.-D21b 1/02;
D21c 1/00; 3/00.

143771.

METHOD OF TREATING BAGASSE.

Applicant & Inventor : HERALD FRANZ FUNK, OF 68, ELM STREET, MURRAY HILL, NEW JERSEY 07974 UNITED STATES OF AMERICA.

Application No. 176/Cal/75 filed January 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A method for treating bagasse containing holocellulose and lignin which comprises the steps of :—

- (a) prehydrolyzing (such as herein described) said bagasse by heating under pressure (corresponding to steam temperature) in steam and the vapours of a predetermined amount of a dilute acid solution at a temperature ranging between 105°C and 135°C for between 7 minutes and 20 minutes to hydrolyze at least a portion of said holocellulose into pentoses and hexoses and to leave a fibrous residue;
- (b) separating (such as herein described) the resulting hydrolyzed holocellulose in liquid form from said residue;
- (c) heating said residue under pressure (corresponding to steam temperature) in sufficient quantity of green liquor at temperatures ranging between 105°C and 135°C for a sufficient time to digest said fibrous residue;
- (d) separating by known methods the resulting liquid from the fibres; and
- (e) washing by known methods the fibers.

CLASS 39-C. 143772.
Int. Cl.-C01c 1/24.

A PROCESS FOR THE PREPARATION OF SOLID AMMONIUM PERSULFATE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: MAHADEV GOVIND POTDAR, (2) RENGA-CHARI SRINIVASAN, AND HANDADY VENKATA-KRISHNA UDUPA.

Application No. 534/Cal/75 filed March 31, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims. No drawings.

A process for the preparation of solid ammonium persulfate by the electrolysis of an aqueous solution of ammonium sulphate and sulphuric acid between platinum anode and lead cathode characterised in that these ingredients are mixed in equimolar concentration to give a solution of ammonium bisulfate in the range of 70 to 90% W/V and electrolysed in the presence of an addition agent in the form of urea.

CLASS 32E. 143773.
Int. Cl.-C08g 35/00.

BULK POLYMERIZATION OF VINYL CHLORIDE

Applicant: SHIN-ETSU CHEMICAL CO. LTD., OF 6-1, OTEMACHI, 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: KINYA OGAWA, (2) KUZUHJKO KURIMOTO, (3) YOSHITSUGU EGUCHI, AND (4) SATOSHI KUWATTA.

Application No. 2081/Cal/75 filed October 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

In a method for the bulk polymerization of vinyl chloride monomer or a mixture thereof with a copolymerizable monomer or monomers by the steps of introducing the monomer or monomers and a polymerization initiator into a polymerization vessel and heating the monomer or monomers with agitation, the improvement which comprises coating the walls of the polymerization vessel and other surfaces coming into contact with the monomer or monomers, prior to the introduction of the monomer or monomers and the polymerization initiator, with a coating composition containing essentially at least one phosphoric compound selected from the group consisting of phosphoric esters, polyphosphoric esters and alkali metal salts thereof.

CLASS 72B & C.
Int. Cl.-C06b 15/00.

143774.

AN EXPLOSIVE SLURRY COMPOSITION.

Applicant & Inventor: HIRISHI TEZUKA, OF 20-2, 1-CHOME, HIGASHI, SHIBUYA-KU, TOKYO, JAPAN.

Application No. 178/Bom/75 filed June, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims. No drawings.

An explosive slurry composition comprising a water-swollen gel of a complex of sodium monomorillonite and a water-soluble organic compound containing a polar group such as hereinbefore described, and an oxygen supplier known in the art, with or without a sensitizer such as an organic sensitizer (such as T.N.T.) or a metallic sensitizer (such as aluminium powder) and with or without a fuel.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by Card Chem Industries to the grant of a patent on application No. 142208 made by The Western India Plywoods Ltd., as notified in Part III, Section 2 of the Gazette of India, dated the 31st December, 1977 has not been entertained and a patent has been ordered to be sealed on the application.

(2)

The opposition entered by Card Chem Industries to the grant of a patent on application No. 142209 made by The Western India Plywoods Ltd., as notified in Part III, Section 2 of the Gazette of India dated the 31st December, 1977 has been treated as abandoned and a patent has been ordered to be sealed on the application.

(3)

An opposition has been entered by LMP Precision Engineering Co. Pvt. Ltd., to the grant of a patent on Application No. 142455 made by Jai Narayan Prasad Agarwal.

(4)

The opposition entered by S. K. Foundry & Engineering Products Private Limited to the grant of a patent on application No. 136929 made by Foseco International Limited as notified in Part III, Section 2 of the Gazette of India dated the 5th November, 1975 has been dismissed with costs.

(5)

The application for Patent No. 131631 made by Yadav Engineering Works against which an opposition was entered by Godrej & Boyce Manufacturing Company Private Limited as notified in Part III, Section 2 of the Gazette of India dated the 9th February, 1974, has been treated as abandoned.

(6)

The application for patent No. 141926 made by the South India Textile Research Association against which an opposition was entered by Madura Coats Limited, as notified in Part III, Section 2 of the Gazette of India dated the 10th December, 1977 has been treated as abandoned.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title of the invention in the application and specification of patent application No. 140914 (earlier numbered as 630/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated 1st January 1977, has been corrected to read as "Improvements in air-swept tube mills and method of grinding material in the same", under Section 78(3) of the Patents Act, 1970.

(2)

The title of the invention in the application and specification of patent application No. 140951 (earlier numbered as 329/Cal/75), the acceptance of the complete specification of which was notified in the Part III, Section 2 of the Gazette of India

dated the 8th January 1977 has been corrected to read as "Improvements relating to sewing aid device and method of sewing using such device", under Section 78(3) of the Patents Act, 1970.

(3)

The title of the invention in the application and specification of patent application No. 141042 (earlier numbered as 2787/Cal/73), the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th January 1977 has been corrected to read as "Stabilized polyalkeylene terephthalate resin composition and process for making the same".

(4)

The title of the invention in the application and specification of patent No. 141047 (earlier numbered as 895/Cal/74), the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th January 1977 has been corrected to read as "Apparatus for heat treatment and packing of a liquid", under Section 78(3) of the Patents Act, 1970.

(5)

The title of the invention in the application and specification of Patent application No. 141088 (earlier numbered as 544/Cal/74), the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th January 1977 has been corrected to read as "Method of making an electric storage battery grid and an electric storage battery having such grid", under Section 78(3) of the Patents Act, 1970.

(6)

The title of the invention in the application and specification of patent application No. 141130 (earlier numbered as 546/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 22nd January 1977, has been corrected to read as "Process and installation for reaction of solid materials in deep fluidised beds", under sub section (3) of Section 78 of the Patents Act, 1970.

(7)

The title in the application and specification of application for patent No. 141270 (earlier numbered as 1530/Cal/76) made by "D. H. Engineers (P) Ltd." acceptance of the complete specification of which was notified in the Part III Section 2 of the Gazette of India dated the 12th February 1977 has been corrected to read as "An improved valve to control flow of media" under Section 78(3) of the Patents Act, 1970.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

88563 93797 97082 99081 99387 99547 99684 100287 100354
100553 101321 101379 101683 102381 102554 102753 102815
102941 103022 103141 104040 104340 104453 104946 105271
105706 105755 106034 106035 106492 107526 108854 110739
111442 111592 112013 112505 112925 113822 114022 115026

(2)

99851 103766 104627 111000 111001 111083 111133 111134
111173 111222 111280 111298 111351 111363 111794 111821
111822 111823 111914 112086 112320 112377 112381 112403
112424 112533 112535 112574 112648 112711 112771 112900
112960 113065 113302 113323 113404 113541 113561 113621
113743 113803 113820 113835 113873 113878 113950 114032
114177 114362 114433 114566 114572 114581 114635 114672
114745 114921 114967 114978 115074 115079 115092 115099

115207 115219 115268 113517 115684 115951 116273 116475
116576 116589 116615 116627 116629 116699 117504 118163
119109 120277

(3)

88217 111309 111508 111678 113063 113181 113791 115052
116309 117191

PATENTS SEALED

141527 141529 141531 141536 141591 141600 141607 141613
141614 141626 141632 141636 141664 141729 141730 141828
141843 141870 141880

AMENDMENT PROCEEDINGS UNDER
SECTION 57

Notice is hereby given that Personal Communications Incorporated, 671 Hope Street, Stamford, Conn. 06906, U.S.A., a U.S. Corporation has made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their application for patent No. 143169 for "Compact camera and viewer apparatus". The amendments are by way of amendment of name of the applicants from "Personal Communications Incorporated" to "Izon Corporation". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of his notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

The amendments proposed by Maremont Corporation in respect of patent No. 137032 as advertised in Part III, Section 2 of the Gazette of India dated the 6th August 1977 have been allowed.

RENEWAL FEES PAID.

85871 85880 85985 85986 85991 86458 86467 86899 86945
87201 88148 88165 88418 89199 91515 91622 91640 91674
91675 91680 91681 91712 91738 91772 91775 91796 91859
91863 91928 91929 91960 92008 92096 92097 92098 92364
92468 92534 92585 92615 92834 93169 93898 94436 94512
94528 94629 94731 95249 95539 96429 96441 97221 97237
97321 97360 97390 97475 97518 97615 97720 97735 97774
97780 97913 97964 98034 98052 98084 98174 98346 98461
98463 98530 98531 98753 99029 99479 100231 100497
101084 101085 101299 101300 103333 103360 103377 103462
103519 103621 103692 103771 103807 103808 103902 103936
104029 104056 104062 104202 104610 105814 106382 106435
106768 108478 108678 108702 108716 108735 108737 108777
108826 108829 108830 108831 108870 108891 108897 108906
108916 108972 109005 109011 109021 109026 109034 109092
109177 109225 109268 109272 109334 109355 109440 109790
109856 109919 109944 110361 110575 111211 111421 111521
111602 111659 111833 113073 113502 113751 113753 113961
113986 113987 113991 114023 114035 114048 114073 114162
114179 114292 114314 114388 114404 114512 114524 114625
114802 114825 114846 114879 114906 114980 114981 114984
114985 114986 114987 114988 115122 115255 115670 115748
117159 118523 119239 119314 119356 119436 119444 119487
119524 119556 119562 119582 119623 119667 119682 119778
119799 119807 119811 119830 119881 119921 119934 120025

120026 120055 120077 120186 120202 120297 120378 120613
 120786 121068 121450 121684 122390 122407 122844 122925
 123683 124138 124651 124692 124731 124771 124820 124892
 124931 124934 124936 124950 124965 125007 125013 125028
 125038 125098 125123 125177 125412 125500 125501 125764
 125796 125835 125865 125887 129715 129833 129849 129882
 129914 129931 129976 130041 130045 130048 130069 130070
 130096 130100 130119 130164 130165 130219 130234 130318
 130355 130365 130392 130407 130519 130643 130713 130723
 132560 133107 134056 134061 134165 134195 134196 134206
 134216 134230 134259 134281 134282 134305 134306 134307
 134323 134325 134326 134327 134340 134354 134356 134363
 134365 134369 134370 134396 134431 134515 134523 134599
 134600 134627 134654 134664 134692 134693 134902 135076
 135252 135352 135434 135800 135850 136516 136191 136562
 136576 136594 136595 137039 137118 137130 137168 137214
 137248 137282 137289 137296 137336 137337 137338 137419
 137661 137960 138120 138160 138260 138378 138468 138511
 138617 138636 138707 138721 138851 138961 138976 139044
 139045 139091 139181 139193 139240 139283 139285 139349
 139364 139462 139464 139557 139636 139731 139813 139865
 139877 139947 140004 140031 140141 140267 140311 140428
 140597 140613 140826 140842 140854 140858 140869 140882
 140891 140993 141019 141057 141070 141071 141151 141181
 141207 141225 141280 141288 141290 141295 141304 141313
 141350 141380 141381 141385 141400 141408

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 128361 dated the 10th September, 1970 made by Ralston Purina Company on the 23rd August, 1975 and notified in the Gazette of India, Part III, Section 2 dated the 27th September, 1975 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 128362 dated the 10th September, 1970 made by Ralston Purina Company on the 23rd August, 1975 and notified in the Gazette of India, Part III, Section 2 dated the 27th September, 1975 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 137044 dated the 10th May, 1973 made by Secalt S. A. on the 10th May, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 23rd July 1977 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145573. Narendra Brothers, 2E/22, Jhandewalan Extension, New Delhi-110055, an Indian partnership Concern "Pen" May 13, 1977.

Class 1. No. 145585. Shree Hanuman Metal Works, 37-B. K. Paul Temple Road, Belur, Howrah, West Bengal, an Indian Partnership Concern. "Chair" May 17, 1977.

Class 1. No. 145594. Kanwal Brush Factory, B-238 Naraina Industrial Area, Phase-I, New Delhi-110048, an Indian Partnership Concern. "Brush" May 18, 1977.

Class 1. No. 145631. Utility Industries, an Indian Partnership firm duly registered under the Indian Partnership Act, having its Registered Office at 118A, Government Industrial Estate, Kandivali (West), Bombay-67, State of Maharashtra, India. "A hand operated mechanical cutter/grinder-cum-sieve" May 30, 1977.

Class 1. No. 145794. Norton & Co., 1/16, Baker Thiruvengada Mudali Street, Choolai, Madras-7, an Indian Partnership Firm. "Type Founts" July 5, 1977.

Class 1. No. 145806. Emco Electricals Private Limited, an Indian Company, duly registered and incorporated under the Companies Act, and having its Registered Office at 94, Nagindas Master Road, Bombay-400023, Maharashtra, India. "A prestressed spring", July 8, 1977.

Class 3. No. 145606. Modern Crafts, Barrack No. 796, Ulhasnagar-421003, Dist. Thana, Maharashtra, an Indian Proprietary Firm. "Ear Top" May 24, 1977.

Class 3. No. 145620 and 145626. Modern Crafts, Barrack No. 796, Ulhasnagar-421003, Dist. Thana, Maharashtra, an Indian Proprietary Firm. "Ear Top", May 27, 1977.

Class 3. No. 145621. Minni Trading Corporation, 6, Fateh Nivas, Goraswadi, Malad, Bombay-400064, Maharashtra State, India, an Indian Partnership Firm. "Bottle Cap". May 27, 1977.

Name Index of Applicants for Patents for the month of November, 1977 (Nos. 1564/Cal/77 to 1667/Cal/77, 358/Del/77 to 428/Del/77, 175/Mas/77 to 185/Mas/77, 317/Bom/77 to 333/Bom/77).

Name & Appln. No.

-A-

Abplanalp, R. H.—1597/Cal/77.

Akzo, N. V.—1638/Cal/77.

Aluminium Pechiney.—419/Del/77.

American Cyanamid Co.—1596/Cal/77 and 1654/Cal/77.

American Home Products Corp.—1610/Cal/77.

Anandam, M.—386/Del/77, and 387/Del/77.

Anantrao, S. V.—321/Bom/77.

Appa Rao, D.—386/Del/77 and 387/Del/77.

-B-

Balasubramaniam, S.—177/Mas/77 and 178/Mas/77.

Barringer Research Ltd.—379/Del/77.

Bayer Aktiengesellschaft.—358/Del/77, 385/Del/77 and 395/Del/77.

Bennett, J.—177/Mas/77 and 178/Mas/77.

Bharat Heavy Electricals Ltd.—366/Del/77, 367/Del/77, 368/Del/77, 369/Del/77, 377/Del/77, 400/Del/77, 401/Del/77, 415/Del/77 and 416/Del/77.

Bose, G.—1658/Cal/77.

Burville, F. K.—1594/Cal/77.

-C-

C. Conradty Nurnberg GmbH & Co. KG.—421/Del/77.

Canadian Ingersoll-Rand Co., Ltd.—363/Del/77 and 364/Del/77.

Carrier Corp.—373/Del/77.

Name & Appln. No.

Cassella Farbwerke Mainkur
Aktiengesellschaft.—1586/Cal/77.
Celanese Corp.—1574/Cal/77.
Chandra, S.—320/Bom/77.
Chemetron Corp.—1595/Cal/77.
Chen, L. T. H.—1587/Cal/77.
Choudhary, V.—424/Del/77.
Compagnie Francaise D'Etudes ET DE
Construction "Technip".—359/Del/77.
Co-operative Verkoop-EN Productievereniging Van
AArdappelmeel EN Derivaten "Avebe" G.A.—383/Del/77.
Council of Scientific and Industrial Research.—374/Del/77,
398/Del/77, 399/Del/77, 403/Del/77 and 414/Del/77.
Cummins Engine Company, Inc.—332/Bom/77 and 333/
Bom/77.

-D-

Dainippon Jochugiku Kabushiki Kaisha.—1666/Cal/77.
Das, P. S.—317/Bom/77.
Diamond Shamrock Corp.—1576/Cal/77.
Director General, Research Designs and Standard Organisation,
Ministry of Railways.—402/Del/77.

-E-

E.I. DU Pont De Nemours and Co.—1615/Cal/77.
E. R. Squibb & Sons, Inc.—361/Del/77 and 418/Del/77.
Edelinski, T. D.—1587/Cal/77.

Eisenwerke-Cesellschaft
Maximilianshutte MBH.—1640/Cal/77.
Emhart Industries Inc.—1601/Cal/77.
Empresa Nacional Del
Aluminio, S. A.—1609/Cal/77.
Envirotech Corp.—1663/Cal/77.
Euteco S.p.A.—1588/Cal/77.

-F-

Foseco International Limited.—383/Del/77.

-G-

G. D. Societa per Azioni.—406/Del/77.
Gadre, J. N.—326/Bom/77.
Gandhi, B.—1644/Cal/77, 1647/Cal/77, and 1648/Cal/77.
General Electric Co.—1664/Cal/77.
Gillen, W. F. (Jr.).—1577/Cal/77.
Glacier Metal Company
Ltd., The.—362/Del/77.
Gokak, M. I.—324/Bom/77.
Goodyear Tire & Rubber
Co., The—384/Del/77.
Gulf Oil Corp.—1592/Cal/77.

-H-

Hajtomuvek ES, Festoberendesek
Gyara.—1618/Cal/77.
Hanotier, J. D. V.—1656/Cal/77.
Hellenic Plastics and
Rubber Industry N. & M.
Petzetakis S. A.—417/Del/77.
Her Majesty the Queen in right of Canada as represented by
the Minister of National Defence.—404/Del/77.
Hindustan Antibiotics Ltd.—318/Bom/77.

Name & Appln. No.

-H-(Contd.)
Hindustan Lever Ltd.—328/Bom/77.
Hoechst Aktiengesellschaft.—1623/Cal/77, 1632/Cal/77 and
1645/Cal/77.

-I-

IBEC Industries, Inc.—1603/Cal/77.
IMS Ltd.—1639/Cal/77.

Imperial Chemical Industries Ltd.—427/Del/77.

Impero S.p.A.—426/Del/77.

Indian Carton Ltd.—1613/Cal/77.

Indian Council of Agricultural
Research, The—327/Bom/77.

Indian Jute Industries' Research
Association.—1570/Cal/77.

Institut Neftekhimicheskikh
Protsessov imeni akademika
Ju. G. Mamedlieva Akademii

Nauk Azerbaidzhanskoi SSR.—1584/Cal/77.

International Business
Machine Corp.—392/Del/77.

International Standard Electric
Corpn.—1667/Cal/77.

Ishikawa, T.—1659/Cal/77.

Ivanyatov, J. E.—1571/Cal/77.

-J-

Jayaraman, C.—386/Del/77 and 387/Del/77.

Jenkina Metal Corp.—380/Del/77.

Johnson, Mattey & Co. Ltd.—1665/Cal/77.

Jones, I. C.—393/Del/77.

-K-

Kao Soap Co., Ltd.—1620/Cal/77.

Kelvinator of India Ltd.—375/Del/77 and 376/Del/77.

Kockums Construction AB.—1653/Cal/77.

Kolosov, I. A.—1571/Cal/77.

Konkoly, T. (Dr.).—423/Del/77.

Kontiki Chemicals &
Pharmaceuticals Private Ltd.—183/Mas/77 and 184/Mas/
77.

Kosholkin, V. N.—1571/Cal/77.

Kriemhild Schlamann GEB. Pordan.—1604/Cal/77.

Krishna, B.—386/Del/77 and 387/Del/77.

Krishna Fabrications
Private Ltd.—180/Mas/77.

Krupp-Koppers GmhH.—365/Del/77.

-L-

Leisure Life Inc.—413/Del/77.

Lessiter, N. A.—393/Del/77.

Linde Aktiengesellschaft.—1565/Cal/77.

Litsenko, T. A.—1612/Cal/77.

Loewy Robertson Engineering
Company Ltd.—1567/Cal/77.

Lucas Industries Ltd.—1599/Cal/77 and 1621/Cal/77.

Lupke, G.P.H.—1636/Cal/77.

Lupke, M. A. A.—1636/Cal/77.

-M-*Name & Appln. No.*

Marley Company, The.—1575/Cal/77
 Maschinenfabrik Augsburg-Nurnberg
 Aktiengesellschaft.—1591/Cal/77 and 1650/Cal/77.
 Mccollester, D. L.—396/Del/77.
 McDowell, L. G.—393/Del/77.
 Miklos ACS (Dr.).—423/Del/77.
 Mineral Deposits Ltd.—409/Del/77, 410/Del/77 and 411/
 Del/77.
 Mohabey, V. K.—320/Bom/77.
 Monsanto Co.—1602/Cal/77, 1627/Cal/77 and 1628/Cal/77.
 Montedison S.p.A.—1606/Cal/77.
 Mukherji, R. N.—1600/Cal/77.
 Mysore, K. V.—322/Bom/77.

-N-

NRM Corp.—1629/Cal/77.
 Nedschroef Octrooi
 Maatschappij N. V.—1581/Cal/77.

-O-

O & K Orenstein & Koppel
 Aktiengesellschaft Werk
 Lubeck.—1579/Cal/77.
 Otis Elevator Co.—382/Del/77.
 Owens-Corning Fiberglass
 Corpn.—1578/Cal/77.

-P-

Pacific Metals Co., Ltd.—1652/Cal/77.
 Padmanabhan, C.—182/Mas/77.
 Paradi, L.—423/Del/77.
 Pechiney Ugine Kuhlmann.—372/Del/77.
 Pfizer Inc.—360/Del/77 and 405/Del/77.
 Philips India Ltd.—1635/Cal/77.
 Pilkington Brothers Ltd.—1598/Cal/77.
 Potapov, V. N.—1612/Cal/77.
 Proizvodstvennoe Obiedinenie
 Turbostroenia "Leningradsky Metallicheskny
 "Zavod".—1646/Cal/77 and 1660/Cal/77.

-R-

RCA Corp.—1589/Cal/77, 1617/Cal/77 and 1643/Cal/77.
 Rathi, M. L.—323/Bom/77.
 Reanal Finomvegyezergyar.—1633/Cal/77.
 Registrar, Jadavpur University.—1582/Cal/77.
 Rhone-Poulenc Industries.—420/Del/77.
 Robert Bosch GmbH.—1649/Cal/77.
 Roy, S. N.—1590/Cal/77.
 Ruti-TE Strake B. V.—1611/Cal/77.

-S-*Name & Appln. No.*

SES, Inc.—1585/Cal/77.
 Sachania, N. P.—330/Bom/77.
 Sairam, T.—386/Del/77 and 387/Del/77.
 Sandvik Aktiebolag.—1657/Cal/77.
 Seshagiri, T.—181/Mas/77 and 185/Mas/77.
 Shah, C. R.—329/Bom/77.
 Shanmugam, V.—177/Mas/77 and 178/Mas/77.
 Shell Internationale Research
 Maatschappij B. V.—381/Del/77 and 408/Del/77.
 Sheth, V. M.—326/Bom/77.
 Singhania, D. N.—1624/Cal/77 and 1625/Cal/77.
 Sinha, B. E.—1564/Cal/77.
 Snamprogetti S.p.A.—1605/Cal/77.

Societe Chimique Des
 Charbonnages.—370/Del/77.

Societe D'Etudes DE Machine
 Thermiques S.E.M.T.—394/Del/77.

Societe D'Etudes DE Produiets
 Chimiques—Societe Anonyme.—391/Del/77.

Societe Nationale ELF Aquitaine
 (Production).—422/Del/77.

Solar Pump Corp.—1616/Cal/77.

Spencer, P. G.—1594/Cal/77.

Spirig, E.—397/Del/77.

Stamicarbon B. V.—171/Del/77.

Standard Chemical Co., Private
 Ltd., The—325/Bom/77.

Stauffer Chemical Co.—1619/Cal/77.

Stork Brabant B. V.—1630/Cal/77.

Strebkov, D. S.—1612/Cal/77.

Szucs, T.—423/Del/77.

-T-

Tasgaonkar, G. S.—319/Bom/77.

Tasgaonkar, P. G. (Mrs.).—319/Bom/77 and 331/Bom/77.

Tata Iron & Steel Company
 Ltd., The—1583/Cal/77.

Tex Innovation AB.—1568/Cal/77 and 1569/Cal/77.

Thekkummury, T.K.M.—179/Mas/77.

Thermo King Corpn.—1661/Cal/77.

Thorn Domestic Appliances
 (Electrical) Ltd.—390/Del/77.

-U-

USS Engineers and Consultants,
 Inc.—378/Del/77, 388/Del/77 and 389/Del/77.

United States Pipe and
 Foundry Co.—1655/Cal/77.

-V-

Veccumsee, D. H.—175/Mas/77.

Venkatachalam, T.—176/Mas/77.

Venkitechalam, K. B.—1622/Cal/77.

Name & Appln. No.

-P-(Contd.)

Tekhnicheskogo Ugleroda.—1573/Cal/77 and 1651/Cal/77.
 Vulcan Equipment Company Ltd.—1631/Cal/77 and 1632/Cal/77.

Vereinigte Edelstahlwerke

Aktiengesellschaft (VEW).—407/Del/77 and 412/Del/77.

Vereinigte Oesterreichische

Eisen-Und Stahlwerke-Alpine Montan

Aktiengesellschaft.—1607/Cal/77 and 1614/Cal/77.

Versatile Manufacturing Ltd.—1566/Cal/77.

Vireco A. G.—1626/Cal/77 and 1634/Cal/77.

Vishwakarma, B. N.—428/Del/77.

Visvanathan, T. R.—177/Mas/77 and 178/Mas/77.

Vsosojuzny Nauchno-

Issledovatelsky Institut

-W-

Wamanrao, P. B.—321/Bom/77.

Werding, W. J.—1593/Cal/77.

Westinghouse Air Brake Co.—1580/Cal/77.

Westinghouse Electric Corp.—1608/Cal/77, 1641/Cal/77,
1642/Cal/77 and 1662/Cal/77.

Wharton Shipping Corpn.—1572/Cal/77.

Williams (Hounslow) Ltd.—425/Del/77.

S. VEDARAMAN

Controller-General of Patents, Designs and
Trade Marks.

